## WHAT IS CLAIMED IS:

- A method of tracking repeatable runout, the method comprising:
  providing a feedforward signal for track following, the feedforward
  signal having harmonic components that are updated at a
  sample rate that is a fraction of a servo sector sample rate.
- 2. The method of claim 1 wherein the updating of the harmonic components is distributed over a plurality of servo sectors.
- 3. The method of claim 1 further comprising utilizing an interpolation filter to suppress high frequency repeatable runout components.
- 4. The method of claim 1 wherein the feedforward signal is determined as a function of fractional-rate RRO compensation data, which is computed for a number of sampling points that are less than a number of servo sectors.
- 5. The method of claim 4 further comprising storing the fractional-rate RRO compensation data prior to determining the feedforward signal as the function of the fractional-rate RRO compensation data.
- 6. The method of claim 4 wherein the fractional-rate RRO compensation data is determined from a calibration procedure.
- 7. The method of claim 6 wherein the calibration procedure is a factory calibration procedure that is carried out during manufacture of the disc drive.

- 8. The method of claim 6 wherein the calibration procedure is a startup calibration procedure that is carried out during initial startup of the disc drive.
- 9. The method of claim 6 wherein the calibration procedure is a refined calibration procedure that is carried out subsequent to initial startup of the disc drive.
- 10. A servo loop comprising:
  - a feedforward compensator configured to provide a feedforward signal for track following, the feedforward signal having harmonic components that are updated at a sample rate that is a fraction of a servo sector sample rate.
- 11. The apparatus of claim 10 wherein the feedforward compensator is configured to distribute the updating of the harmonic components over a plurality of servo sectors.
- 12. The apparatus of claim 10 further comprising an interpolation filter configured to suppress high frequency repeatable runout components.
- 13. The apparatus of claim 10 wherein the feedforward compensator is configured to determine the feedforward signal as a function of fractional-rate RRO compensation data, which is computed for a number of sampling points that are less than the number of servo sectors.
- 14. The apparatus of claim 13 wherein the fractional-rate RRO compensation data is stored in a memory.

- 15. The apparatus of claim 14 wherein the memory is a non-volatile memory.
- 16. The apparatus of claim 13 wherein the fractional-rate RRO compensation data is determined from a calibration procedure.
- 17. The apparatus of claim 16 wherein the calibration procedure is a factory calibration procedure that is carried out during manufacture of the disc drive.
- 18. The apparatus of claim 16 wherein the calibration procedure is a startup calibration procedure that is carried out during initial startup of the disc drive.
- 19. The apparatus of claim 16 wherein the calibration procedure is a refined calibration procedure that is carried out subsequent to the initial startup of the disc drive.
- 20. A disc drive comprising:
  - a disc having tracks; and
  - a feedforward compensator configured to provide a feedforward signal for track following, the feedforward signal having harmonic components that are updated at a sample rate that is a fraction of a servo sector sample rate.